

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Kenneth A. Langland

Serial No.: --

Filed: Herewith

For: Emitter-Detector Assembly for a Reflex Photoelectric Object Detection
System

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. §1.97(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The accompanying form PTO-1449, listing documents to be considered with respect to the subject patent application, is being submitted in compliance with 37 CFR §1.97 and §1.98. A copy of each document, which is not a U.S. patent, is enclosed along with concise explanation or a translation of each non-English language document.

This paper is submitted in accordance with 37 CFR 1.97(b) and a fee is not required for consideration of these documents.

Respectfully submitted,

Dated: April 15, 2004

By: 

George E. Haas
Registration No. 27,642

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411 East Wisconsin Ave.
Milwaukee, WI 53202
(414) 277-5751

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)

Complete if Known

Application Number	
Filing Date	Herewith
First Named Inventor	Kenneth A. Langland
Art Unit	
Examiner Name	
Attorney Docket Number	290050.00020

Sheet 1 of 4

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,619,058	11/1971	Hewlett, et al.	
		US- 3,728,026	04/1973	Idestrom, et al.	
		US- 3,752,581	08/1973	Everest, et al.	
		US- 3,900,260	08/1975	Wendt	
		US- 3,996,476	12/1976	Lazzara	
		US- 4,113,381	09/1978	Epstein	
		US- 4,113,831	09/1978	Epstein	
		US- 4,153,366	05/1979	Mamon, et al.	
		US- 4,159,873	07/1979	Farnsworth	
		US- 4,498,764	02/1985	Bolkow, et al.	
		US- 4,521,107	06/1985	Chaborski, et al.	
		US- 4,605,081	08/1986	Helmly, Jr., et al.	
		US- 4,614,968	09/1986	Rattman, et al.	
		US- 4,626,053	12/1986	Fayfield	
		US- 4,644,341	02/1987	Warner	
		US- 4,699,508	10/1987	Bolkow, et al.	
		US- 4,790,402	12/1988	Field, et al.	
		US- 4,846,297	07/1989	Field, et al.	
		US- 4,851,660	07/1989	Juds, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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		Number-Kind Code ² (if known)			
		US- 4,878,407	11/1989	Harrison, et al.	
		US- 4,880,966	11/1989	Goodrich, et al.	
		US- 4,931,631	6/1990	Jackson	
		US- 4,961,490	10/1990	Risko, et al.	
		US- 4,996,468	02/1991	Field, et al.	
		US- 5,054,911	10/1991	Ohishi, et al.	
		US- 5,056,437	10/1991	Maddock	
		US- 5,198,664	03/1993	Fayfield	
		US- 5,200,607	04/1993	Klima	
		US- 5,206,697	04/1993	Schwartz	
		US- 5,247,184	09/1993	Kimball	
		US- 5,322,074	06/1994	Cross, Jr.	
		US- 5,326,968	07/1994	Johnson, et al.	
		US- 5,331,150	07/1994	Marsh	
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		US- 5,496,996	03/1996	Barnes, et al.	
		US- 5,500,523	03/1996	Hamanaka	
		US- 5,559,496	09/1996	Dubats	
		US- 6,560,537	10/1996	Sadler, et al.	

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		US- 5,563,798	10/1996	Berken, et al.	
		US- 5,600,906	02/1997	Hamid	
		US- 5,642,850	07/1997	Sadler, et al.	
		US- 5,663,621	09/1997	Popat	
		US- 5,684,596	11/1997	Eslinger, et al.	
		US- 5,685,987	11/1997	Hixon, Jr., et al.	
		US- 5,707,523	01/1998	Temple	
		US- 5,729,024	03/1998	Baba, et al.	
		US- 5,740,062	04/1998	Berken, et al.	
		US- 5,749,821	05/1998	Simmons	
		US- 5,755,550	05/1998	Brandt, et al.	
		US- 5,757,489	05/1998	Kawakami	
		US- 5,767,971	06/1998	Kawai, et al.	
		US- 5,818,062	10/1998	Baba, et al.	
		US- 5,828,056	10/1998	Alderman, et al.	
		US- 5,828,456	10/1998	Aoki, et al.	
		US- 5,829,231	11/1998	Harding, et al.	
		US- 5,868,657	02/1999	Simmons	
		US- 5,872,646	02/1999	Alderman, et al.	

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		Number-Kind Code ² (if known)			
		US- 5,879,626	03/1999	Watterson, et al.	
		US- 5,880,822	03/1999	Kubo	
		US- 5,929,436	07/1999	Baba, et al.	
		US- 5,941,444	08/1999	Sadler, et al.	
		US- 6,010,223	01/2000	Gubela, Sr.	
		US- 6,018,159	01/2000	Alderman, et al.	
		US- 6,036,209	03/2000	Tsumura, et al.	
		US- 6,151,185	11/2000	Ishizuka, et al.	
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		US-			

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